

PTO/SB/05 (11-00)

Approved for use through 10/31/2002. OMB 0651-0032

Approved for use through 10/31/2002. GMD 8601-0002  
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U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

**UTILITY  
PATENT APPLICATION  
TRANSMITTAL**

*(Only for new nonprovisional applications under 37 CFR 1.53(b))*

<i>Attorney Docket No.</i>	9-13528-156US
<i>First Inventor</i>	BETTS, Malcolm
<i>Title</i>	CROSS-CONNECTION OF HIGH BANDWIDTH SIGNAL TRAFFIC ACROSS INDEPENDENT PARALLEL SHELVES
<i>Express Mail Label No.</i>	

11/26/01

## APPLICATION ELEMENTS

See MPEP chapter 600 concerning utility patent application contents.

**ADDRESS TO:** Assistant Commissioner for Patents  
Box Patent Application  
Washington, DC 20231

- |                                                                                                          |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
|----------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Fee Transmittal Form (e.g., PTO/SB/17)<br><i>(Submit an original and a duplicate for fee processing)</i> |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
| 1. <input checked="" type="checkbox"/>                                                                   | Applicant claims small entity status.<br>See 37 CFR 1.27.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| 2. <input type="checkbox"/>                                                                              |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
| 3. <input checked="" type="checkbox"/>                                                                   | Specification [Total Pages <span style="border: 1px solid black; padding: 2px;">32</span> ] 1<br><i>(preferred arrangement set forth below)</i> <ul style="list-style-type: none"> <li>- Descriptive title of the invention</li> <li>- Cross Reference to Related Applications</li> <li>- Statement Regarding Fed sponsored R &amp; D</li> <li>- Reference to sequence listing, a table, or a computer program listing appendix</li> <li>- Background of the Invention</li> <li>- Brief Summary of the Invention</li> <li>- Brief Description of the Drawings (<i>if filed</i>)</li> <li>- Detailed Description</li> <li>- Claim(s)</li> <li>- Abstract of the Disclosure</li> </ul> |
| 4. <input checked="" type="checkbox"/>                                                                   | Drawing(s) (35 U.S.C. 113) [ Total Sheets <span style="border: 1px solid black; padding: 2px;">4</span> ] 1                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| 5. Oath or Declaration                                                                                   | [ Total Pages <span style="border: 1px solid black; padding: 2px;">1</span> ] 1                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
| a. <input checked="" type="checkbox"/>                                                                   | Newly executed (original or copy)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| b. <input type="checkbox"/>                                                                              | Copy from a prior application (37 CFR 1.63 (d))<br><i>(for continuation/divisional with Box 18 completed)</i>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| i. <input type="checkbox"/>                                                                              | <b>DELETION OF INVENTOR(S)</b><br>Signed statement attached deleting inventor(s) named in the prior application, see 37 CFR 1.63(d)(2) and 1.33(b).                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| 6. <input checked="" type="checkbox"/>                                                                   | Application Data Sheet. See 37 CFR 1.76                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |

- |                                                                                              |                                                                                                                        |                                                       |
|----------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------|
| <input type="checkbox"/>                                                                     | CD-ROM or CD-R in duplicate, large table or Computer Program (Appendix)                                                |                                                       |
| 8. Nucleotide and/or Amino Acid Sequence Submission<br><i>(if applicable, all necessary)</i> |                                                                                                                        |                                                       |
| a. <input type="checkbox"/>                                                                  | Computer Readable Form (CRF)                                                                                           |                                                       |
| b. Specification Sequence Listing on:                                                        |                                                                                                                        |                                                       |
| i. <input type="checkbox"/>                                                                  | CD-ROM or CD-R (2 copies); or                                                                                          |                                                       |
| ii. <input type="checkbox"/>                                                                 | paper                                                                                                                  |                                                       |
| c. <input type="checkbox"/>                                                                  | Statements verifying identity of above copies                                                                          |                                                       |
| <b>ACCOMPANYING APPLICATION PARTS</b>                                                        |                                                                                                                        |                                                       |
| 9. <input checked="" type="checkbox"/>                                                       | Assignment Papers (cover sheet & document(s))                                                                          |                                                       |
| 10. <input type="checkbox"/>                                                                 | 37 CFR 3.73(b) Statement<br><i>(when there is an assignee)</i>                                                         | <input checked="" type="checkbox"/> Power of Attorney |
| 11. <input type="checkbox"/>                                                                 | English Translation Document <i>(if applicable)</i>                                                                    |                                                       |
| 12. <input type="checkbox"/>                                                                 | Information Disclosure Statement (IDS)/PTO-1449                                                                        | <input type="checkbox"/> Copies of IDS Citations      |
| 13. <input type="checkbox"/>                                                                 | Preliminary Amendment                                                                                                  |                                                       |
| 14. <input checked="" type="checkbox"/>                                                      | Return Receipt Postcard (MPEP 503)<br><i>(Should be specifically itemized)</i>                                         |                                                       |
| 15. <input type="checkbox"/>                                                                 | Certified Copy of Priority Document(s)<br><i>(if foreign priority is claimed)</i>                                      |                                                       |
| 16. <input type="checkbox"/>                                                                 | Request and Certification under 35 U.S.C. 122<br>(b)(2)(B)(i). Applicant must attach form PTO/SB/35 or its equivalent. |                                                       |
| 17. <input checked="" type="checkbox"/>                                                      | Other: *Patent Appln. Fee Determination Record* .....                                                                  |                                                       |

18. If a CONTINUING APPLICATION, check appropriate box, and supply the requisite information below and in a preliminary amendment, or in an Application Data Sheet under 37 CFR 1.76:

Continuation       Divisional       Continuation-in-part (CIP)      of prior application No.: \_\_\_\_\_ / \_\_\_\_\_

Prior application information: Examiner \_\_\_\_\_ Group Art Unit: \_\_\_\_\_  
For CONTINUATION OR DIVISIONAL APPS only: The entire disclosure of the prior application, from which an oath or declaration is supplied under Box 5b, is considered a part of the disclosure of the accompanying continuation or divisional application and is hereby incorporated by reference. The incorporation can only be relied upon when a portion has been inadvertently omitted from the submitted application parts.

**10. CORRESPONDENCE ADDRESS**

<input type="checkbox"/>	Customer Number or Bar Code Label	020988 <small>(Insert Customer No. or Attach bar code label here)</small>	<input type="checkbox"/> or <input type="checkbox"/>	Correspondence address below
--------------------------	-----------------------------------	------------------------------------------------------------------------------	------------------------------------------------------	------------------------------

Name (Print/Type)	Kent Daniels	Registration No. (Attorney/Agent)	44,206
Signature		Date	Nov. 22, 2001

Burden Hour Statement: This form is estimated to take 0.2 hours to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Assistant Commissioner for Patents, Box Patent Application, Washington, DC 20231.

11/26/01  
J135 U.S. PTO

# OGILVY RENAULT

A  
11/26/01  
11000 U.S. PTO  
109/992410

November 22, 2001

Assistant Commissioner for Patents  
Washington, D.C. 20231  
U.S.A.

Sir:

**Re: New United States Patent Application**

**Title: CROSS-CONNECTION OF HIGH BANDWIDTH SIGNAL  
TRAFFIC ACROSS INDEPENDENT PARALLEL SHELVES**

**Inventor(s): Malcolm Betts, et al.**

**Assignee: Nortel Networks Limited**

**Our File: 9-13528-156US**

Transmitted herewith for filing is the patent application of:

**INVENTORS:** Malcolm Betts  
Kim B. Roberts  
Ronald J. Gagnon

**TITLE OF THE INVENTION:**

CROSS-CONNECTION OF HIGH BANDWIDTH SIGNAL  
TRAFFIC ACROSS INDEPENDENT PARALLEL SHELVES

The following documents are enclosed:

- a) Utility Patent Application Transmittal PTO/SB/05
- b) Our cheque No. 008747,

Fee Transmittal Form PTO/SB/17 (in duplicate) and Patent Application Fee  
Determination Record PTO/SB/06, covering:

.../2

**OGILVY  
RENAULT**

Filing Fee	\$740.00
Recording of Assignment	\$ 40.00
<b>Total Number of Claims:</b>	<b>24</b>
Independent claims in excess of 3 (- @ \$84/42)	\$
Claims in excess of 20 (4 @ \$18/9)	\$ 72.00
Multiple dependent claim (- @\$280/140)	\$
<b>Total</b>	<b>\$ 852.00</b>

- c) Specification/Claims/Abstract
- d) Formal Drawings (4 Sheets - Figs. 1 - 4)
- e) Declaration under 37 CFR 1.63, with Patent Application Data Sheet
- f) Power of Attorney (3)
- g) Assignment in favor of Nortel Networks Limited with Recordation Form PTO-1619A
- h) Return receipt postcard.

The applicant/inventor(s) qualify for large entity status.

The Commissioner is hereby authorized to charge any additional fees which may be required, or credit any overpayment to our Account No. 19-5113.

Please note that the address of the agents for the applicant in this matter should be the Montreal address identified in the enclosed Power of Attorney. Correspondence may be directed to Kent Daniels at the Montreal address of Ogilvy Renault.

Respectfully submitted,



Kent Daniels  
Reg. No. 44,206  
Agent of Record  
Encls. As above

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it displays a valid OMB control number.

# FEE TRANSMITTAL for FY 2001

Patent fees are subject to annual revision.

TOTAL AMOUNT OF PAYMENT (\$ 852)

**Complete if Known**

Application Number	
Filing Date	
First Named Inventor	BETTS, Malcolm
Examiner Name	
Group Art Unit	
Attorney Docket No.	9-13528-156US

**METHOD OF PAYMENT**

1.  The Commissioner is hereby authorized to charge indicated fees and credit any overpayments to:

Deposit Account Number 19-5113

Deposit Account Name Swabey Ogilvy Renault

 Charge Any Additional Fee Required Under 37 CFR 1.16 and 1.17 Applicant claims small entity status. See 37 CFR 1.27

2.  Payment Enclosed:

 Check  Credit card  Money Order  Other
**FEE CALCULATION (continued)****3. ADDITIONAL FEES**

Large Entity	Small Entity	Fee Code (\$)	Fee (\$)	Fee Description	Fee Paid
105	130	205	65	Surcharge - late filing fee or oath	
127	50	227	25	Surcharge - late provisional filing fee or cover sheet	
139	130	139	130	Non-English specification	
147	2,520	147	2,520	For filing a request for ex parte reexamination	
112	920*	112	920*	Requesting publication of SIR prior to Examiner action	
113	1,840*	113	1,840*	Requesting publication of SIR after Examiner action	
115	110	215	55	Extension for reply within first month	
116	390	216	195	Extension for reply within second month	
117	890	217	445	Extension for reply within third month	
118	1,390	218	695	Extension for reply within fourth month	
128	1,890	228	945	Extension for reply within fifth month	
119	310	219	155	Notice of Appeal	
120	310	220	155	Filing a brief in support of an appeal	
121	270	221	135	Request for oral hearing	
138	1,510	138	1,510	Petition to institute a public use proceeding	
140	110	240	55	Petition to revive - unavoidable	
141	1,240	241	620	Petition to revive - unintentional	
142	1,240	242	620	Utility issue fee (or reissue)	
143	440	243	220	Design issue fee	
144	600	244	300	Plant issue fee	
122	130	122	130	Petitions to the Commissioner	
123	50	123	50	Petitions related to provisional applications	
126	240	126	240	Submission of Information Disclosure Stmt	
581	40	581	40	Recording each patent assignment per property (times number of properties)	
146	710	246	355	Filing a submission after final rejection (37 CFR § 1.129(a))	
149	710	249	355	For each additional invention to be examined (37 CFR § 1.129(b))	
179	710	279	355	Request for Continued Examination (RCE)	
169	900	169	900	Request for expedited examination of a design application	

Other fee (specify) \_\_\_\_\_

Reduced by Basic Filing Fee Paid SUBTOTAL (3) (\$ 40)

**SUBMITTED BY**

Complete (if applicable)

Name (Print/Type)	Kent Daniels	Registration No. (Attorney/Agent)	44,206	Telephone	613-230-6072
Signature	K. Daniels				
	Date	November 22, 2001			

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